



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095  
(603) 271-3406 FAX (603) 271-7894



April 30, 2002  
**Letter of Deficiency**  
DAM #165.41

Holden Farms Condominiums  
Joyce McCaffery Realty Inc.  
6 Trafalgar Square  
Nashua, NH 03063

RE: Holden Farms Det. Pond Dam, Nashua

To Whom It May Concern:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on December 12, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

Both the upstream and downstream channels are overgrown with trees and brush

2. The downstream end of the culvert is submerged. This tailwater condition will affect the discharge capacity of the culvert and possibly lead to overtopping of the dam;
3. There are no as-built plans of the road embankment and culvert; and
4. There is no operation and maintenance plan on file with the DES

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**June 1, 2002:**

1. Clear both the upstream and downstream channels of trees and brush within 15 feet of the culvert and from the top of the slope to the invert of the flow channel;
2. Determine the cause of the tailwater condition on the downstream end of the dam culvert and correct it. It is assumed that the next downstream culvert is partially blocked and is impounding water. If this is not the case, a survey of both roadway culverts must be conducted to determine the elevation of all inverts;
3. Submit as-built plans of the roadway and culvert if they exist; and
4. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel.

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DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

**COPY**

Jeffrey M. Blaney  
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB10, DB13  
cc: Gretchen Rule ✓  
City of Nashua  
Certified # 7099 3400 0002 9773 6941  
JMB/was/h:/safety/wendy/lod/165-41lod.doc